

## **Attachment 12**

### **Disadvantaged Community Assistance**

Both the City of Firebaugh and City of San Joaquin projects qualify as a DAC assistance projects.

#### **City of Firebaugh Well #7 Replacement Project**

##### **DAC**

This proposal includes the City of Firebaugh Well Replacement Project that will specifically address a critical water supply and water quality need of that DAC city.

##### **Step A.**

The City of Firebaugh Well Replacement Project is located in the City limits of Firebaugh, CA in Fresno County. The project location (as seen in the attached map) is located in the IRWM region. The City of Firebaugh is considered a disadvantaged community, as evidenced by the City's annual median household income (MHI) falling below 80% of the statewide annual median household income (statewide MHI). According to the 2000 US Census, the City of Firebaugh has an MHI of \$31,533. Using the 2000 Census data, the City's MHI falls below 80% of the statewide MHI of \$47,493 (80% of the SMHI is equal to \$37,994.40). Please see the map located at the end of this section that shows the boundaries of the DAC. The entire City of Firebaugh is included in the Census Tract 84.01 and all residents will benefit from the proposed project. Therefore, the City boundary serves as the geographic relationship to the proposed project.

The City was identified as a DAC in the region during the organization stage of the proposal's development and in communication with community leaders across the region. The City of Firebaugh was then selected as a participant in this proposal because of the critical water supply and quality needs of the community.

As stated above, the City of Firebaugh's MHI is \$31,533, compared to the statewide MHI of \$47,493. To determine the DAC designation, 80% of the statewide MHI was calculated to be: \$37,994.40. It was then determined that the City's MHI fell below the 80% threshold, establishing the City's designation as a DAC. All data comes from the 2000 US Census available here:  
[http://factfinder.census.gov/servlet/SAFFacts?\\_event=Search&geo\\_id=&\\_geoContext=&\\_street=&\\_county=firebaugh&\\_cityTown=firebaugh&\\_state=04000US06&\\_zip=&\\_lang=en&\\_sse=on&pctxt=fph&pgsl=010&show\\_2003\\_tab=&redirect=Y](http://factfinder.census.gov/servlet/SAFFacts?_event=Search&geo_id=&_geoContext=&_street=&_county=firebaugh&_cityTown=firebaugh&_state=04000US06&_zip=&_lang=en&_sse=on&pctxt=fph&pgsl=010&show_2003_tab=&redirect=Y)

The City of Firebaugh's water supply and water quality is at a critical point that threatens the ability of the City's entire water distribution system. During scheduled quality checks by the City's Public Works personnel, water quality and supply was at high risk for an extended period. These checks found high levels of arsenic in the water and sand build up. The contamination found in this well is just short of exceeding the allowable

percentages of State and Federal water regulations. The high levels of arsenic and pollution found in the water at Well #7 violates drinking water standards. Furthermore, the sand buildup in the well and pump equipment has drastically lowered the production capacity of the well. The contamination and equipment corrosion makes Well #7 costly to maintain and unusable as a drinking water supply source to the community. As a main water source for the community, this leaves a significant gap in the City's water supply. Water quality and supply for the City are at risk with the well's current state. The City is unable to meet their minimum water supply or water quality standards.

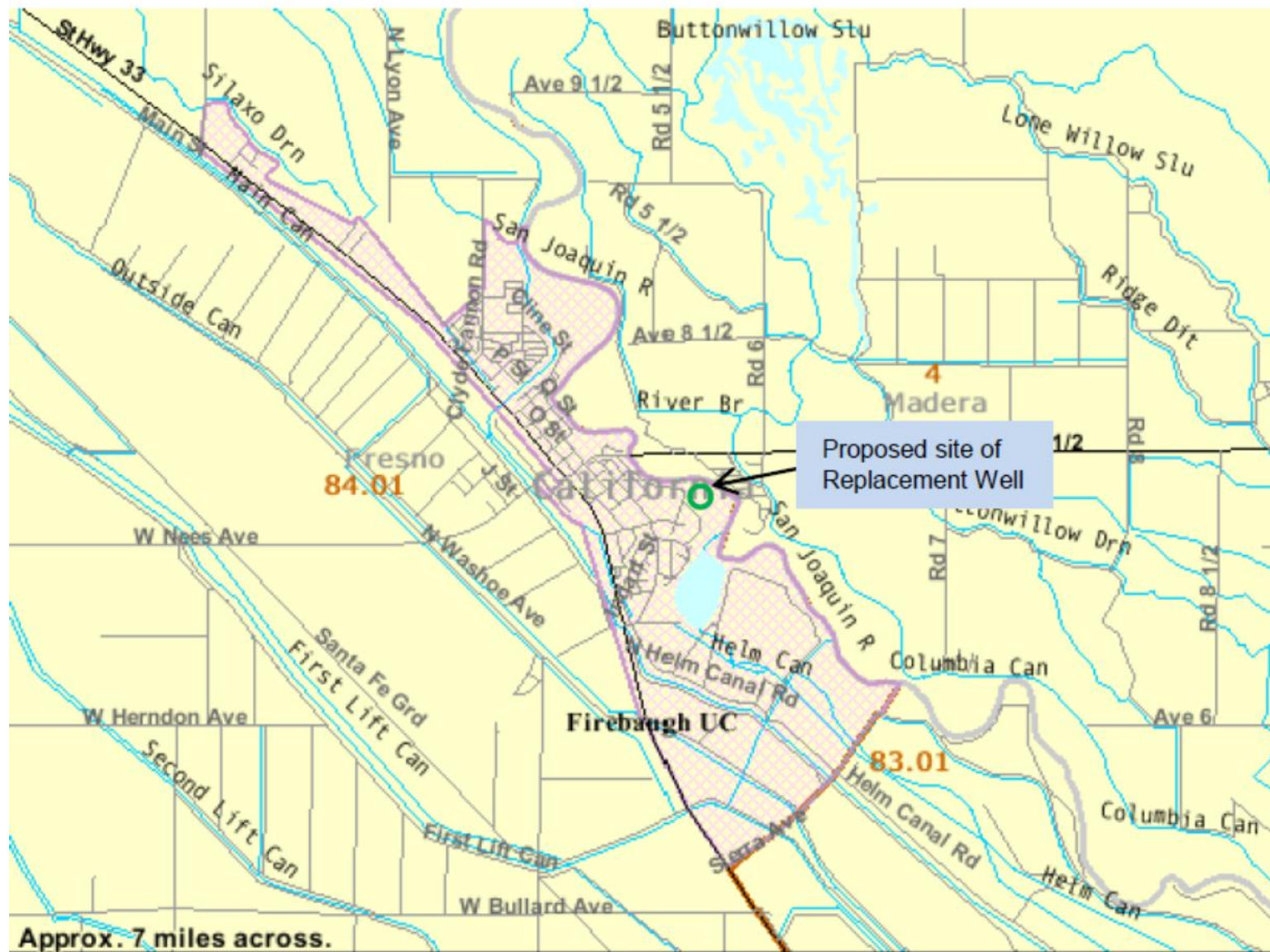
#### **Step B.**

This project will construct a replacement for Well #7 to address the water supply and quality needs of the City. As stated above, the existing Well #7 was found to have high levels of arsenic, other pollutants and sand contamination. The water contamination, low production capacity, and high cost of well maintenance will be addressed by constructing a replacement well. The replacement well will decrease the arsenic and other contaminant levels, reduce sand build-up, and require minimal maintenance. To ensure the current water supply and quality needs are addressed, exploratory drilling will be used prior to construction of the new well. This exploratory drilling and a thorough site selection process will ensure the new well will be built in a location and manner that avoids high levels of contamination from natural sources, including arsenic and sand. Construction of the new well directly benefits this DAC (the City of Firebaugh). The current water supply and quality needs will be addressed with this project. Anticipated targeted benefits of this project include an increased water supply, improved water quality, and increased water affordability. If the project is implemented, it is nearly 100% certain that these described benefits will accrue. It is impossible to guarantee exactly 100% certainty of benefits will accrue due only to the uncertainty in natural water supply flow and any future ground water contamination. Accounting for all the controllable variables to water supply and quality, this project will accrue benefits that directly impact the DAC's water supply and quality needs.

#### **Step C. Supporting Documentation**

The City of Firebaugh has participated in WIWRP Stakeholder meetings that addressed IRWM planning and implementation process issues. That participation was precipitated by an extensive survey effort of the SLDMWA to identify all DACs within the region and encourage their participation in the stakeholder process. Additionally, a list of potential regional DAC projects was identified and considered by the stakeholders in determining the projects included in this proposal. Three of those DAC cities (Avenal, Firebaugh, and San Joaquin) have participated in the stakeholder group on a regular basis. DACs participating in the stakeholder's group were given a full participatory role in the stakeholder group. This was the only DAC project identified as prepared to participate in this round of Implementation PSP proposals. The stakeholder group unanimously supports the Firebaugh project.

## 2000 US Census - City of Firebaugh



## CITY OF FIREBAUGH

1133 "P" STREET  
FIREBAUGH, CALIFORNIA 93622-2547  
(559) 659-2043  
FAX (559) 659-3412



FRESNO COUNTY, CALIFORNIA

January 4, 2011

RE: Letter of Support – City of Firebaugh Well Replacement Project

Dear Department of Water Resources Representative:

The City of Firebaugh is submitting a grant application to the Department of Water Resources' Integrated Regional Water Management Grant program for a project that replaces the City's contaminated Well #7. This project is needed by the City to provide water to community residents. I am aware of the scope of this project, including all staff time and resources that may be required. This project is needed to provide the targeted benefits outlined in the respective application:

1. Provide safe drinking water to residents that meet all federal and State drinking water standards;
2. Provide adequate source capacity for drinking and fire suppression that meets the requirements of the State of California and Department of Health Services; and
3. Provide affordable water to the residents of Firebaugh

As the City of Firebaugh City Manager, and acting DAC representative, I adamantly support this project.

Sincerely,

Jose A. Ramirez  
City Manager, City of Firebaugh

## **City of San Joaquin Water Meter Installation**

According to the 2000 Census the median household income (MHI) for the State of California was \$47,493.

The City of San Joaquin is contained within two census tracts within Block 008200 as shown on the attached map. Group 4 had 597 housing units and a MHI of \$25,929. Group 5 had a MHI of \$18,235 for its 221 housing units. The weighted average for the two groups is \$23,920 for the MHI in 2000 for the City of San Joaquin.

The critical water supply need for the City of San Joaquin is to install water meters to reduce its volume of pumped groundwater.

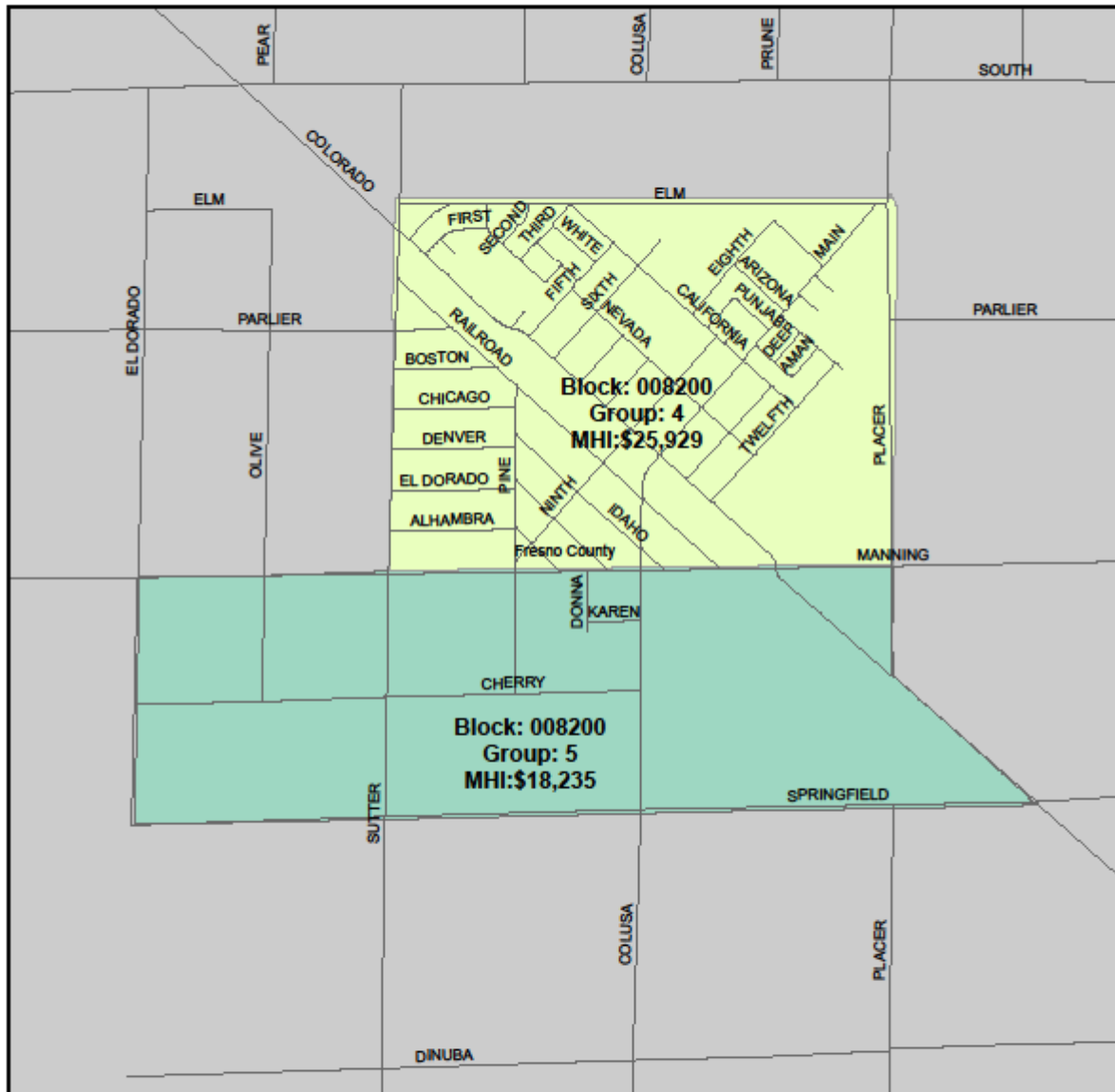
The proposed project will install 640 water meters in the City of San Joaquin, and conversion of those customers to a volumetric rate system. It is anticipated that the meters will reduce consumption by 34.7 million gallons. This will benefit the rate payers in the City of San Joaquin in the form of reduced water bills.

### **Supporting Documentation**

The City of San Joaquin has participated in WIWRP Stakeholder meetings that addressed IRWM planning and implementation process issues. That participation was precipitated by an extensive survey effort of the SLDMWA to identify all DACs within the region and encourage their participation in the stakeholder process. Additionally, a list of potential regional DAC projects was identified and considered by the stakeholders in determining the projects included in this proposal. Three of those DAC cities (Avenal, Firebaugh, and San Joaquin) have participated in the stakeholder group on a regular basis. DACs participating in the stakeholder's group were given a full participatory role in the stakeholder group. This was the only DAC project identified as prepared to participate in this round of Implementation PSP proposals. The stakeholder group unanimously supports the San Joaquin project.

# Median Household Income 2000 Census

State of California MHI: \$47,493



Map Source: U.S. Census Bureau, TIGER/Line  
Shapefiles 2010 Block Groups,  
<http://www.census.gov/geo/www/tiger> (Dec. 29, 2010)  
Data Source: U.S. Census Bureau, American Factfinder,  
2000 Decennial Census Table P53-Median Household  
Income, <http://factfinder.census.gov> (Dec. 29, 2010)  
Map Credits: Yamabe and Horn Engineering, Inc.  
<http://www.yandhengr.com> (Dec. 29, 2010)

1 inch = 1,500 feet

